

SECTION 09 50 00

SPECIFICATIONS

TAG: Acoustical Sound Panel

PART 1 - GENERAL

1.1 SUMMARY

- A. Noise Reducing Acoustic Panels designed for use on walls and ceilings. Constructed of perforated metal.

1.2 SUBMITTALS

- A. The manufacturer assumes no liability for the use or results from the use of this document. Specifications are to be reviewed by the engineer to confirm the requirements of the project and meet Federal, State, and Local codes.
- B. As the manufacturer continues product development, it reserves the right to change design and specifications without notice.

1.3 QUALITY ASSURANCE

- A. ETL tested in accordance with the American Society for Testing and Materials designation ASTM C423-2022, "Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method." ETL Report No. 105433834CRT-002a.

1.4 WARRANTY

- A. All units shall be provided with a 20-year standard warranty.
- B. This warranty shall not apply if:
 - 1. The equipment is not installed by a qualified installer per this installation guide; the operation manual should be kept with the equipment once installation is complete.
 - 2. The equipment is not installed in accordance with Federal, State, and Local codes and regulations.
 - 3. The equipment design or sizing is not approved per MANUFACTURER'S specifications.
 - 4. The equipment is misused, neglected, or not maintained per the MANUFACTURER'S maintenance instructions.
 - 5. The equipment is exposed to elevated temperatures due to a fire originating in the building.
 - 6. The equipment is not operated within its published capacity.
 - 7. The equipment is operated, tested, or stored in the presence of chlorines, solvents, refrigerant vapors, caustic substances, halogenated compounds, or other conditions that could cause condensation of corrosive materials within or on the system.
 - 8. The invoice is not paid within the terms of the sales agreement.

- C. The manufacturer shall not be liable for incidental and consequential losses and damages potentially attributable to malfunctioning equipment. Should any part of the equipment prove to be defective in material or workmanship within the 20-year warranty period, upon examination by the manufacturer, such part will be repaired or replaced by the manufacturer at no charge. The buyer shall pay all labor costs incurred in connection with such repair or replacement. Equipment shall not be returned without the manufacturer's prior authorization, and all returned equipment shall be shipped by the buyer, freight prepaid to a destination determined by the manufacturer.

PART 2 - PRODUCTS

2.1 GENERAL

- A. Intended for use in spaces with high dB noise levels. Engineered design for sound reduction and reverberation control.

2.2 CONSTRUCTION

- A. 2-inch thick perforated 3003 H14 aluminum acoustic fiberglass core.
- B. Weight: 6.25 lbs.
- C. Nominal size: 21 1/4" x 45 5/8"
- D. Flame Spread Index: 25
- E. Smoke Development Index: 50

2.3 UNIT INSTALLATION

- A. Ceiling Hung Hardware: Steel Cable and Anchor (sold separately).
- B. Wall Mount Hardware: Toggle Anchor and Screws (sold separately).

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions for compliance with requirements for installation tolerances and other conditions affecting performance of work.
- B. If unsatisfactory conditions exist, correct conditions prior to installation.

3.2 APPLICATION

- A. Suitable for use in commercial and industrial spaces (Multi-Purpose Rooms, Teleconferencing Rooms, Classrooms, and Auditoriums).

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions, drawings, written specifications, manufacturer's installation manual, and all applicable building codes.